

~~Q. A. emb~~
Rambro

THE SUPERIOR OIL COMPANY

P. O. BOX G
CORTEZ, COLORADO

December 9, 1960

C
O
P
Y

Mr. D. F. Russell
United States Geological Survey
445 Federal Building
Salt Lake City, Utah

Dear Mr. Russell:

Attached are three copies of Notice of Intention to Drill
Grand Fault Unit #14-24, Emery County, Utah.

Yours very truly,

Original Signed By
W. H. FRASER
W. H. Fraser

WHF/lbc
attach.

This Copy To → cc: Utah Oil & Gas Conservation Commission
File

Note: Location plats will follow as soon as they are
received.

	24		
0			

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Salt Lake**
Lease No. **U-011978**
Unit **Grand Fault**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 9, 1960, 19

Grand Fault Unit

Well No. **#14-24** is located **664** ft. from **NE** line and **664** ft. from **NE** line of sec. **24**

SW/4 SW/4 Sec. 24
(¼ Sec. and Sec. No.)

21S
(Twp.)

15E
(Range)

SLBM
(Meridian)

Wildcat
(Field)

Emery

(County or Subdivision)

Utah

(State or Territory)

The elevation of the derrick floor above sea level is **4215** ft. (**ungraded ground**)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Propose to drill well to approximately 10,600' McCracken test.

Will set approximately 1000' of 13-3/8" surface casing with cement circulated to surface.

Will set 5-1/2" casing on top of or through any commercial shows encountered.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **The Superior Oil Company**

Address **P. O. Drawer 'G'**

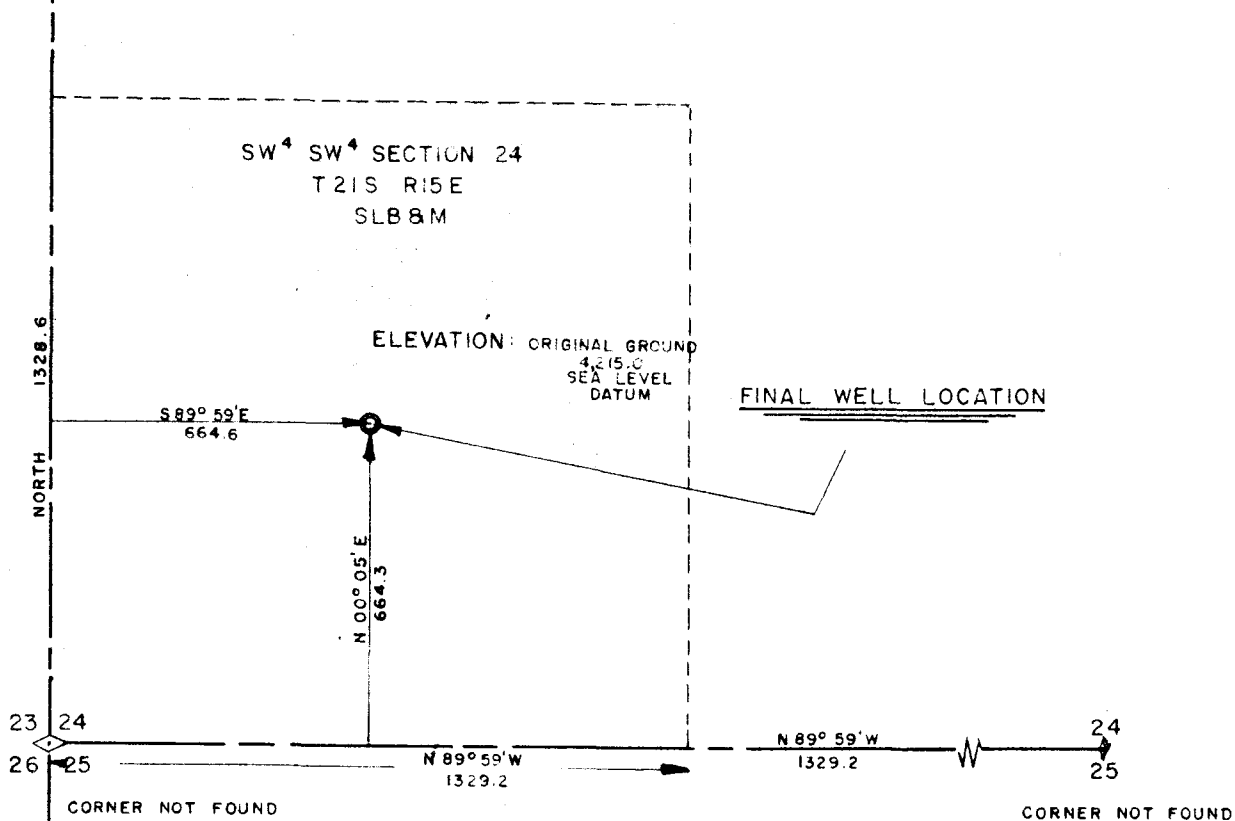
Cortez, Colorado

Original Signed By
W. H. FRASER

By **W. H. Fraser**
Title **District Engineer**

Copy to HC R#3

SUPERIOR OIL CO.
EMORY COUNTY UTAH
SECTION 24, T21S, R15E, SLB 8-M



NOTE: SECTION LINES AND CORNERS WERE PROJECTED FROM N 1/4 CORNER, SECTION 16, T21S, R16E, SLB 8M, ACCORDING TO OFFICIAL PLATS OF 1880, BECAUSE NO CORNERS WERE FOUND IN TOWNSHIP. TIE MADE BY TRIANGULATION NET.

GRAND FAULT UNIT 14-24

I, WARD O. AMSBURY, DO HEREBY CERTIFY THAT THIS MAP WAS PLOTTED FROM FIELD NOTES OF AN ACTUAL SURVEY MADE UNDER MY SUPERVISION ON DECEMBER 1, 1960.

Ward O. AMSbury
UTAH REGISTERED LAND SURVEYOR, REG. NO. 1962

SCALE: 1" = 400'		
HOLDER ENGINEERING SERVICE FINAL WELL LOCATION		
GRAND FAULT UNIT 14-24		
SUPERIOR OIL CO.		
SURVEYED BY	WOA	
DRAWN BY	WOA	
CHECKED BY	WOA	
MOAB, UTAH	AA-114	DEC. 1, 1960

THE SUPERIOR OIL COMPANY

P. O. BOX G
CORTEZ, COLORADO

December 12, 1960

C
O
P
Y

Mr. D. F. Russell
United States Geological Survey
445 Federal Building
Salt Lake City, Utah

Dear Mr. Russell:

Attached are three copies of the location plat on the Grand Fault Unit #14-24, Emery County, Utah. These plats are to accompany the Notice of Intention to Drill which were sent to you on December 9, 1960.

Yours very truly,

ORIGINAL SIGNED BY
D. D. KINGMAN

D. D. Kingman

/lbe
attach.

This Copy To → cc: Utah Oil & Gas Conservation Commission (2)
File

December 13, 1960

The Superior Oil Company
P. O. Drawer 'G'
Cortez, Colorado

Attention: W. H. Fraser, Dist. Eng.

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Grand Fault Unit #14-24, which is to be located 664 feet from the south line and 664 feet from the west line of Section 24, Township 21 South, Range 15 East, SLHM, Emery County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Under Rule A-3, the approval of this Commission is not necessary when an unexecuted copy of the unit agreement is on file with this office. In such a case, it is only necessary to file copies of all notices of intention and subsequent reports that are filed with the United States Geological Survey.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT,
EXECUTIVE SECRETARY

CBF:awg

cc: Don F. Russell, Dist. Eng.
U. S. Geological Survey

H. L. Coonts - OGCC, Moab

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. U-011978
Unit Grand Fault

		24	
X			

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 8, 19 61

Grand Fault Unit
Well No. 14-24 is located 664 ft. from DS line and 664 ft. from W line of sec. 24

SW SW Sec. 24 218 15E SLEM
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Emery Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~bottom of hole~~ above sea level is 4225 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded: 1-1-61 Present Depth - 5904'

2-3-61: DST #1: 5489'-5521' ½ hour initial shut in, 1 hr. test.
Very weak BOA thoghout test. 1 hour final shut in. Recovered
150' of slightly water cut mud, top 90' - 9.2#/gal, bottom 60'
8.6#/gal, BHT-118° F., ISIP-2055#, FP-75#-95#, FSIP-1730#,
HP-2862#-2862#.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Superior Oil Company

Address P. O. Drawer 'G'

Cortez, Colorado

By D. D. Kingman
D. D. Kingman
Engineer

Title

USGS-2
State-1
Maurer-4
File

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Salt Lake**
Lease No. **U-011978**
Unit **Grand Fault**

	24		
	X		

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 28, 1961

Grand Fault Unit
Well No. **14-24** is located **664** ft. from **XIX** line and **664** ft. from **XIX** line of sec. **24**
SW SW Sec. 24 **21S** **15E** **SLBM**
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat **Grand** **Utah**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **4225** ft. **K.B.**

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded: **1-1-61** Present Depth - **7163'**
2-22-61 Ran Schlumberger GRN-IES & ML to **6579'**.

Log Tops:	Dakota	603'	Shinarump	3312'
	Morrison	622'	Moenkopi	3422'
	Entrada	1538'	Sinbad	3931'
	Carmel	1922'	Coconino	4105'
	Kayenta	2340'	Permian Carbonates	4841'
	Wingate	2740'	Hermosa	5646'
	Chinle	3065'	Salt	6567'

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **The Superior Oil Company**

Address **P. O. Drawer 'G'**

Cortez, Colorado

By **W. M. Ramsburg**
Title **Engineer**

2-23-61 - DST #2: (Straddle Test 6179'-6216')

1/2 hour initial shut-in, 1 hour test. Very weak blow of air immediately, continued throughout test. 1 hour final shut-in. Recovered 190' mud and 90' water-cut mud. ISIP 2745#, FP 46#-115#, FSIP 2515#, Hydrostatic 3215#. Bottom packer failed to hold completely.

2-23-61 - DST #3 (6798'-6845')

1/2 hour initial shut-in, 1 hour test, fair blow of air immediately, continued throughout test. 1 hour final shut-in. Recovered 1220' heavily gas cut mud. ISIP 2003#, FP 550#-596#, FSIP 1710#, RP 3805#.

2-27-61 - DST #4: (6947'-7014')

1/2 hour initial shut-in, 1 hour test, fair blow of air immediately, gas to surface 35 min. Gas blow too small to measure. Recovered 460' heavily gas cut mud. ISIP 725#, FP 190#-212#, FSIP 515#, RP 3877#.

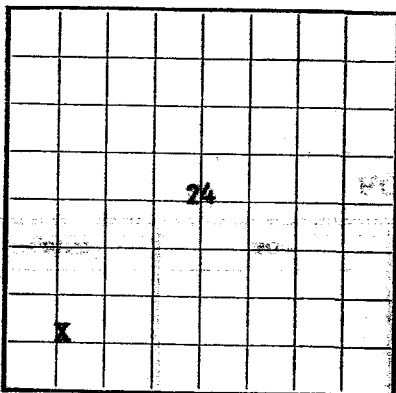
1961 MAR 1

Salt Lake

U. S. LAND OFFICE **U-011978**

SERIAL NUMBER _____ State _____

LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **The Superior Oil Company** Address **P. O. Drawer 'G', Cortez, Colorado**
 Lessor or Tract **Grand Fault Unit** Field **Wildcat** State **Utah**
 Well No. **14-24** Sec. **24** T. **21S** R. **15E** Meridian **SLBM** County **Grand**
 Location **664** ft. **N.** of **S** Line and **664** ft. **E.** of **W** Line of **section 24** Elevation **4225 KB**
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed **D. D. Kingman**Date **June 2, 1961**Title **Engineer**

The summary on this page is for the condition of the well at above date.

Commenced drilling **January 1**, 19 **61** Finished drilling **May 16**, 19 **61**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
 No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13-3/8	48#	8 rd	H-40	1008	None	None			Surface
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	1008	750	Pump & plug.		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
 Adapters—Material _____ Size _____

FOLD MARK

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 10,606 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Plugged & Abandoned

Put to producing

May 19

19 61

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil, _____% emulsion, _____% water, and _____% sediment. Gravity: 86.

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Will I. Lewis Drig. Co., Driller

Driller

Driller

Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
	Electric Log Tops:		
	Dakota	603	Hermosa 5646
	Morrison	622	Salt 6567
	Entrada	1538	Base of Salt 8962
	Carmel	1922	Molas 9430
	Kayenta	2340	Mississippian 9533
	Wingate	2740	Ouray 10,205
	Chinle	3065	Elbert 10,295
	Shinarump	3312	
	Moenkopi	3422	
	Sinbad	3931	
	Coconino	4105	
	Permian Carbonates	4841	

(OVER)

FORMATION RECORD—Continued

1961 21 NOV

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FORM 3-330

SERIAL NUMBERED

U. S. FIELD OFFICE

2316 1386

APPROVED: expires 12-31-60
Budget Bureau No. 45-15384

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake

Lease No. U-011978

Unit Grand Fault

SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 16, 19 61

Grand Fault Unit

Well No. 14-24 is located 664 ft. from N line and 664 ft. from W line of sec. 24

SW SW Sec. 24
($\frac{1}{4}$ Sec. and Sec. No.)

21S
(Twp.)

15E
(Range)

SLBM
(Meridian)

Wildcat
(Field)

Grand
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is 4224 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Propose to plug and abandon well by equalizing the following cement plugs:

- #1 50 sacks through drill pipe hung to base of Mississippian.
- #2 50 sacks through drill pipe hung to 9000'.
- #3 50 sacks through drill pipe hung to 6570'.
- #4 50 sacks through drill pipe hung to 4840'.
- #5 50 sacks through drill pipe hung to 2850'.
- #6 50 sacks through drill pipe hung to 1040'.

Verbal approval by D. F. Russell 5-16-61.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Superior Oil Company

Address P. O. Drawer 'G'

Cortez, Colorado

Original Signed By

By D. D. KINGMAN
D. D. Kingman

Title Engineer

	24		
X			

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake

Lease No. U-011978

Unit Grand Fault

SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	X
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 29, 19 61

Grand Fault Unit

Well No. 14-24 is located 664 ft. from S line and 664 ft. from W line of sec. 24

SW SW Sec. 24
(¼ Sec. and Sec. No.)

21S
(Twp.)

15E
(Range)

SLB&M
(Meridian)

Wildcat
(Field)

Grand County
(County or Subdivision)

Utah
(State or Territory)

The elevation of the ~~surface~~ above sea level is 4225 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded: January 1, 1961

Plugged & Abandoned: May 19, 1961

T.D.: 10,606'

Casing: 13-3/8" 48# set at 1008' with 750 sacks.

Log Tops:	Dakota	603'	Shinarump	3312'	Base of Salt	8962'
	Morrison	622'	Moenkopi	3422'	Molas	9430'
	Entrada	1538'	Sinbad	3931'	Mississippian	9533'
	Carmel	1922'	Coconino	4105'	Ourray	10205'
	Kayenta	2340'	Permian Carb.	4841'	Elbert	10295'
	Wingate	2740'	Hermosa	5646'		
	Chinle	3065'	Salt	6567'		

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Superior Oil Company

Address P. O. Drawer G

Cortez, Colorado

By D. D. Kingman

Title Engineer

JUN 12 1961

Drill Stem Tests:

- DST #1: 5489-5521' $\frac{1}{2}$ hour ISI, 1 hour test. Very weak blow of air throughout, 1 hour FSI. Rec. 150' of slightly water cut mud. ISIP-2055#, FP-75#-95#, FSIP-1730#, HP-2862.
- DST #2: 6179-6216' $\frac{1}{2}$ hour ISI, 1 hour test. Very weak blow of air throughout, 1 hour FSI. Rec. 190' mud and 90' water cut mud. ISIP-2745#, FP-46#-115#, FSIP-2515#, HP-3215#.
- DST #3: 6798-6845' $\frac{1}{2}$ hour ISI, 1 hour test. Fair blow of air throughout, 1 hour FSI. Rec. 1220' heavily gas cut mud.
- DST #4: 6947'-7014' $\frac{1}{2}$ hour ISI, 1 hour test. Fair blow of air immediately. Gas to surface in 35 mins TSTM. Rec. 460' heavily gas cut mud. ISIP-715#, FP-190#-212#, FSIP-515#, HP-3877#.
- DST #5: 8412-8454' $\frac{1}{2}$ hour ISI, 1 hour test. GTS in 3 mins, TSTM decreasing throughout test, 1 hour FSI. Rec. 530' Gas cut mud. ISIP-1225#, FP-87#-155#, FSIP-2815#, HP-5082#.
- DST #6: 9180'-9203' $\frac{1}{2}$ hour ISI, 1 hour test. Fair blow of air throughout test, 1 hour FSI. Rec. 30' Water cut mud. ISIP-1580#, FP-35#-35#, FSIP-2745#, HP-;5785#
- DST #7: 9555-9652' $\frac{1}{2}$ hour ISI, 1 hour test. Very weak blow of air throughout, 1 hour FSI. Rec. 170' mud, 200' mud cut water. EX ISIP-4295#, FP-175#-240#, FSIP-4165#, HP-5720#.
- DST #8: 9705'-9753' $\frac{1}{2}$ hour ISI, 1 hour test, Fair blow of air throughout, 1 hour FSI. Rec. 600' water cut mud, 5700' salt water. ISIP-4535#, FP-735#-3195#, FSIP-4535#, HP-;5760#.

Plugged and abandoned well by equalizing the following cement plugs:

- #1 50 sacks through drill pipe hung to 10,250'.
- #2 ;50 sacks through drill pipe hung to 9,000'.
- #3 50 sacks through drill pipe hung to 6,570'.
- #4 50 sacks through drill pipe hung to 4,840'.
- #5 50 sacks through drill pipe hung to 2,850'.
- #6 50 sacks through drill pipe hung to 1,030'.

Checked top of plug #6 at 962'.

Placed 10 sack plug at surface and erected standard dry hole marker. Pit is now fenced and will be filled this summer.